

Application No. 10/781,140
Amendment Dated January 3, 2006
Reply to Office Action of October 3, 2005

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LISTING OF CLAIMS

1. (Currently Amended) The sealing system for a shaft of a combustion engine having a motor casing cover (1) with a clearance hole (4) for receipt of a carrier (5) having at least one dynamically (9) and at least one statically effective sealing area (8) and the carrier (5) being equipped with a centering area (12) allowing centering relative to the clearance hole (4), while the carrier (5) is securely connectable to the motor casing cover (1) by means of a partial-turn fastener tab (19) disposed on the carrier (5), the centering section (12) is arranged generally co-planar with the partial-turn fastener tab (19) in such a way that the dynamic sealing area (9), aligned with the shaft and the static sealing area (8), with a given contact pressure can be used in a corresponding area (3) of the motor casing cover (1), and wherein the centering area (12) is formed by radially arranged lugs (17), and as seen in cross section, the lugs (17) are arranged next to the partial-turn fastener tab (19).

2. (Cancelled).

3. (Original) The sealing system according to claim 1 wherein the static sealing area (8) is applicable to a straight running section (3) of the motor casing cover (1).

4. (Previously Presented) The sealing system according to claim 1 wherein the carrier (5) has a cross-section that is essentially L-shaped, thus forming one radial (6) and one axial (7) leg, and that the lugs (17) are arranged in the area of the axial leg (7) while, distributed on the perimeter, more lugs (17) are provided.

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5. (Cancelled)

6. (Previously Presented) The sealing system according to claim wherein the outer area of the lugs (17) extends along radius R which is greater than radius r, along which the outer area of the partial-turn fastener (19) extends.

7. (Original) The sealing system according to claim 1 wherein the carrier (5) is made from plastic, on which the static (8) and/or the dynamic sealing area (9) is formed.

8. (Previously Presented) The sealing system according to claim 1 wherein the radial leg (6) of the carrier (5) supports the statically effective sealing area (8).

9. (Original) The sealing system according to claim 8 wherein the axial leg (8) of the carrier (5) acts in combination with the dynamically effective sealing area (9).

10. (Cancelled).

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11. (Currently Amended) A sealing system, comprising:

a case having an opening with an inner edge disposed about a central axis of said opening and a plurality of circumferentially spaced clearances extending radially outward from said inner edge separated by land regions between said clearances;

a shaft extending through said opening;

a seal assembly mounted on the case including a carrier mounting a dynamic seal encircling said shaft to provide dynamic sealing between said carrier and said shaft, and mounting a static seal engaging said case to provide a static sealing between said carrier and said case;

a partial-turn fastener feature disposed on said carrier, said partial-turn fastener feature including a ~~centering surface~~ plurality of fastener tabs and a corresponding plurality of ~~fastener~~ lugs extending radially outwardly ~~of said centering surface which is~~ and disposed about a central axis of said seal assembly, said lugs being receivable in said clearances while said ~~centering surface~~ respective fastener tabs engage[s] the edge of said clearance and rotate ~~rotatable~~ to a position behind said land regions to lock said carrier in position on said case and to align said axis of said seal assembly concentrically with said axis of said opening, said lugs being disposed adjacent one each of said fastener tabs.